1658610-2 ✔ ACTIVE

AMPLIMITE | AMPLIMITE HDF

TE Internal #: 1658610-2

IDC D-Sub Connectors, Receptacle, 28 – 26 AWG Solid Wire Size, .1 – .13 mm² Solid Wire Size, Shielded, Cable-to-Cable, 25 Position, AMPLIMITE HDF

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

Connector & Housing Type: **Receptacle**

Solid Wire Size: **.1 – .13 mm²**

Shielded: **Yes**

Connector System: **Cable-to-Cable**

All IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm (19)

Features

Product Type Features

Profile	Low
Grounding Indents	Without
Grade	Standard
Thread Type	Standard
Shell Type	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	25

Number of Rows	2
Compatible With Wire & Cable Type	Ribbon Cable

Body Features

Strain Relief Part Number	747275-2
Shell Plating Finish	Bright
Color	Black
Cover Material	Thermoplastic
Shell Plating Material	Tin
Ribbon Cable Centerline Spacing	1.27 mm[.05 in]
Insert Material	Brass
Shell Material	Steel

Contact Features

Contact Type	Socket
	30 µin
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
D-Sub Contact Size	20
Contact Current Rating (Max)	1.25 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Connector Lock	With
Mounting Angle	Straight
Mating Connector Lock Type	Threaded Insert, 4-40 UNC
Threaded Insert Material	Steel
Threaded Insert Plating Material	Zinc
PCB Mount Retention Type	None
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic

Enclosure	Without
Centerline (Pitch)	2.77 mm[.055 in]

Dimensions

Cable Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]
Solid Wire Size	.1 – .13 mm²
Wire Size	.08 – .15 mm²

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	40
Packaging Method	Tube

Other

Optional Cable Stabilizer	747275-2
Comment	All plug assemblies are supplied with housing and cover preassembled

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (3.7% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900

	ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

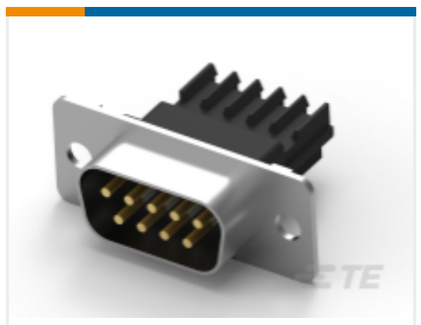
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts

TE Part # CAT-025-DPAVS3274
D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm

TE Part # CAT-023-DPARS3274
D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm

TE Part # CAT-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm

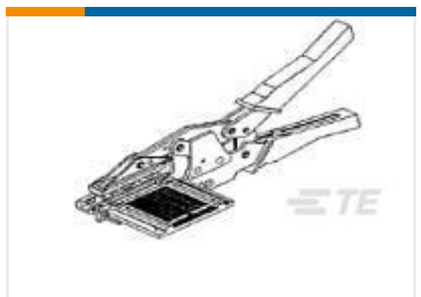


TE Part # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm

TE Part # CAT-AM7-248H4
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm

TE Part # 5788795-1
25 HTMSFL PLUG RA 318 (SL,BL)

TE Part # 747275-2
025 LP HDF STRAIN RELIEF



TE Part # 768340-1
UNIV HAND TOOL KIT AMPLATCH

TE Part # 7-338311-2
25POS.HD20 PLUG ASS

Also in the Series | AMPLIMITE HDF

D-Sub Locking & Mounting(8)

IDC D-Sub Connectors(36)

Documents

Product Drawings

25 POS HDF RCPT, MS, LEAD FREE

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1658610-2_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_1658610-2_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_1658610-2_A1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Cable Connectors

English

AMPLIMITE Cable Connectors and Shielding Hardware Kits QRG

English

Product Specifications

Product Specification

English

Product Specification

English

Product Environmental Compliance

MD_1658610-2_040320182349_dmtec

English

MD_1658610-2_040320182349_dmtec

English

Agency Approvals

UL Report

English